Performance Data Sheet

AVB5535EXN

General Information

Model	AVB5535EXN	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	10900	8900					
	Watts	1270	1300					
	Amps	5.78	5.82					
	Lb/h	141	119					
-10	Btu/h	12600	10600	8780				
	Watts	1410	1450	1470				
	Amps	6.39	6.50	6.50				
	Lb/h	162	141	122				
-5	Btu/h	14700	12500	10600	8980			
	Watts	1540	1590	1620	1630			
	Amps	6.93	7.13	7.21	7.16			
	Lb/h	188	166	147	130			
0	Btu/h	17100	14800	12800	11000	9370		
	Watts	1660	1720	1760	1780	1780		
	Amps	7.41	7.70	7.87	7.91	7.81		
	Lb/h	216	195	175	158	141		
5	Btu/h	19800	17400	15200	13300	11500		
	Watts	1770	1840	1900	1940	1950		
	Amps	7.83	8.22	8.48	8.61	8.61		
	Lb/h	249	227	207	189	171		
10	Btu/h	22800	20300	18000	15900	13900	12000	10200
	Watts	1870	1950	2030	2080	2110	2110	2060
	Amps	8.19	8.67	9.03	9.27	9.37	9.34	9.17
	Lb/h	285	263	243	224	205	186	166
15	Btu/h	26100	23500	21000	18700	16600	14500	12400
	Watts	1950	2050	2140	2220	2270	2290	2260
	Amps	8.47	9.07	9.53	9.88	10.1	10.2	10.1
	Lb/h	324	302	282	262	243	223	201
20	Btu/h	29800	27000	24400	21900	19500	17200	14900
	Watts	2010	2130	2250	2350	2420	2460	2470
	Amps	8.69	9.40	9.98	10.4	10.8	10.9	11.0
	Lb/h	368	345	325	304	284	262	239

25	Btu/h	33800	30800	28000	25400	22800	20200	17700
	Watts	2060	2200	2340	2460	2560	2630	2660
	Amps	8.83	9.66	10.4	10.9	11.4	11.7	11.9
	Lb/h	414	392	371	350	328	306	281
30	Btu/h	38200	35000	32000	29100	26300	23500	20700
	Watts	2080	2250	2420	2570	2690	2790	2850
	Amps	8.90	9.85	10.7	11.4	12.0	12.4	12.7
	Lb/h	465	442	421	399	377	353	327
35	Btu/h	42900	39500	36300	33200	30100	27000	24000
	Watts	2090	2290	2480	2650	2810	2940	3040
	Amps	8.89	9.97	10.9	11.8	12.5	13.0	13.5
	Lb/h	519	496	474	452	428	403	375
40	Btu/h	47900	44300	40900	37500	34200	30900	27500
	Watts	2070	2300	2520	2730	2920	3080	3210
	Amps	8.80	10.0	11.1	12.1	12.9	13.6	14.2
	Lb/h	577	554	531	508	483	457	428
45	Btu/h	53300	49500	45800	42200	38600	35000	31300
	Watts	2030	2290	2540	2790	3010	3210	3380
	Amps	8.63	10.0	11.2	12.4	13.3	14.2	14.9
	Lb/h	638	615	591	567	542	514	483
50	Btu/h	59000	55000	51100	47200	43300	39400	35400
	Watts	1970	2260	2550	2830	3090	3320	3530
	Amps	8.37	9.89	11.3	12.6	13.7	14.7	15.6
	Lb/h	702	679	655	631	604	575	543
55	Btu/h	65000	60800	56600	52500	48300	44100	39800
	Watts	1880	2200	2530	2850	3150	3420	3670
	Amps	8.03	9.71	11.3	12.7	14.0	15.1	16.2
	Lb/h	771	747	723	697	670	639	605

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.994599E+04	1.549997E+03	1.016428E+00	5.682117E+02
C2	5.610659E+02	1.177625E+01	-5.664974E-02	4.280264E+00
C3	-6.265785E+02	-1.104090E+01	1.214499E-01	-7.276550E+00
C4	8.391180E+00	-6.045196E-01	-2.282191E-03	7.550704E-02
C5	7.389215E-01	5.058395E-02	1.840885E-03	4.466612E-02
C6	3.272618E+00	2.507167E-01	-4.753577E-04	4.602033E-02
C7	3.272154E-03	-1.898941E-03	-3.055416E-06	-1.124430E-05
C8	-2.420150E-02	4.508170E-03	1.261409E-05	-3.540915E-05
C9	-1.759698E-02	1.130649E-03	-3.680369E-08	-2.714762E-04
C10	-7.239623E-03	-1.191206E-03	-5.389708E-07	-1.255304E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature